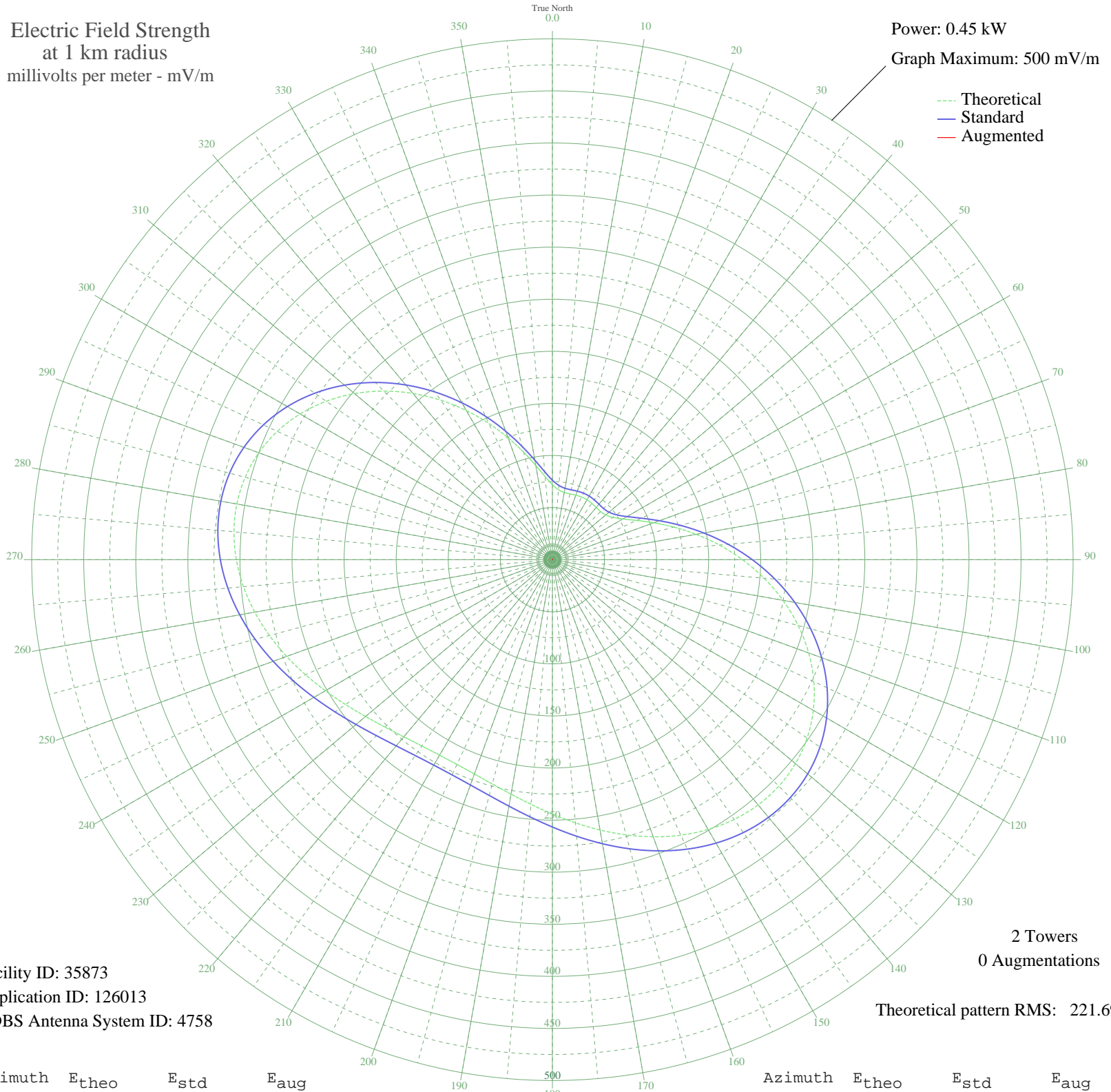


KWAM MEMPHIS, TN BL-19890316AA 990 kHz

Nighttime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m

Power: 0.45 kW
Graph Maximum: 500 mV/m



Azimuth	E _{theo}	E _{std}	E _{aug}
0	71.98	76.31	
5	67.38	71.52	
10	65.52	69.59	
15	65.35	69.42	
20	65.87	69.96	
25	66.35	70.45	
30	66.40	70.50	
35	65.99	70.08	
40	65.43	69.50	
45	65.38	69.45	
50	66.82	70.94	
55	70.80	75.08	
60	78.15	82.72	
65	89.15	94.19	
70	103.55	109.24	
75	120.80	127.27	
80	140.19	147.58	
85	161.01	169.38	
90	182.52	191.94	
95	204.03	214.49	
100	224.84	236.32	
105	244.32	256.75	
110	261.87	275.16	
115	277.00	291.04	
120	289.32	303.97	
125	298.57	313.67	
130	304.62	320.02	
135	307.48	323.03	
140	307.32	322.85	
145	304.39	319.78	
150	299.07	314.20	
155	291.82	306.59	
160	283.13	297.47	
165	273.52	287.39	
170	263.51	276.89	
175	253.60	266.48	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	244.22	256.65	
185	235.78	247.79	
190	228.60	240.26	
195	222.93	234.32	
200	218.99	230.18	
205	216.88	227.97	
210	216.69	227.77	
215	218.42	229.58	
220	222.00	233.34	
225	227.33	238.93	
230	234.23	246.17	
235	242.45	254.79	
240	251.66	264.46	
245	261.51	274.78	
250	271.53	285.30	
255	281.26	295.51	
260	290.18	304.87	
265	297.76	312.82	
270	303.50	318.85	
275	306.94	322.46	
280	307.69	323.24	
285	305.44	320.89	
290	300.04	315.21	
295	291.42	306.17	
300	279.70	293.87	
305	265.10	278.56	
310	248.00	260.61	
315	228.87	240.54	
320	208.27	218.94	
325	186.85	196.47	
330	165.28	173.86	
335	144.26	151.84	
340	124.53	131.18	
345	106.80	112.63	
350	91.77	96.93	
355	80.06	84.71	